

## ABSTRACT:

A transmitter is disclosed for transmitting a transmission signal via a transmission medium. The transmitter derives a prediction signal from the digital information signal in dependence on an array of prediction filter coefficients. The array of prediction filter coefficients is obtained by smoothing a first array of coefficients. Said first array of coefficients is generated in response to the digital information signal. A residual signal is obtained by combination of the digital information signal and the prediction signal. The residual signal is encoded so as to obtain an encoded signal. The encoded signal is transmitted via the transmission medium.

10 Fig. 12